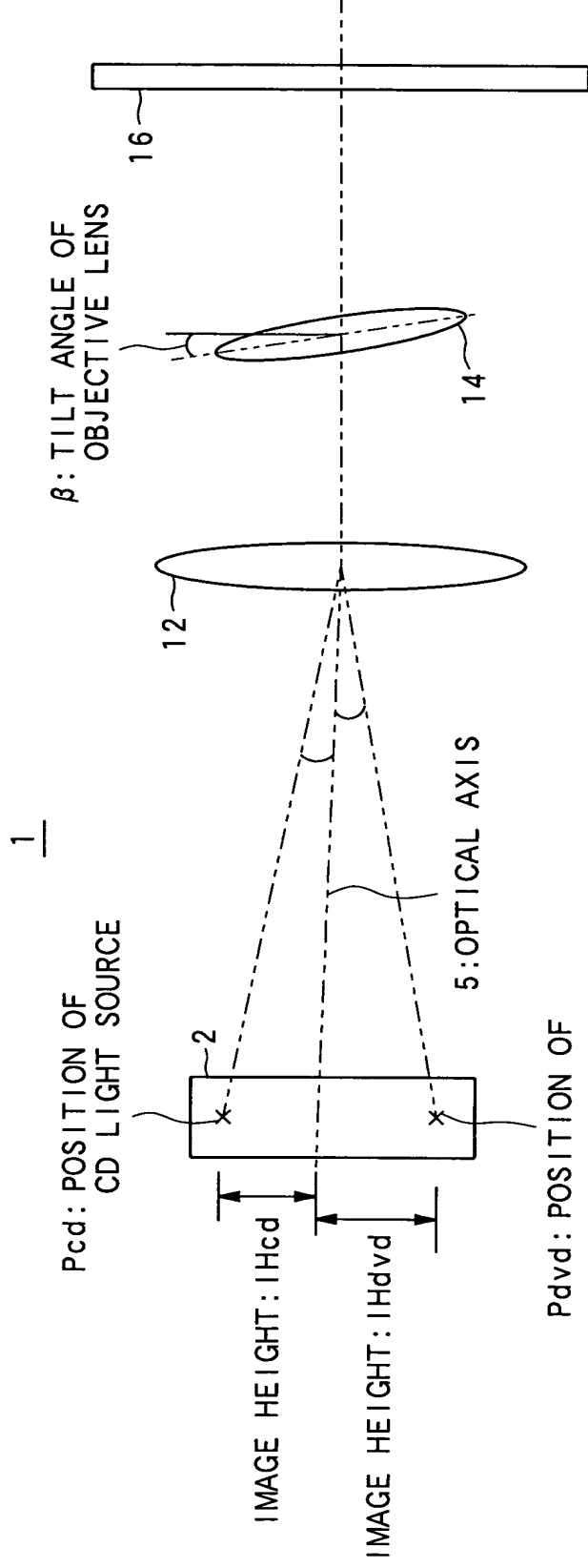


FIG. 1



(COMA ABERRATION BY ANGLE OF INCIDENCE OF OBJECTIVE LENS CAUSED BY IMAGE HEIGHT I_{Hcd} ON CD LIGHT SOURCE SIDE)+(COMA ABERRATION BY TILT OF OBJECTIVE LENS ON CD LIGHT SOURCE SIDE)=0

(COMA ABERRATION BY ANGLE OF INCIDENCE OF OBJECTIVE LENS CAUSED BY IMAGE HEIGHT I_{Hdvd} ON DVD LIGHT SOURCE SIDE)+(COMA ABERRATION BY TILT OF OBJECTIVE LENS ON DVD LIGHT SOURCE SIDE)=0

FIG. 2

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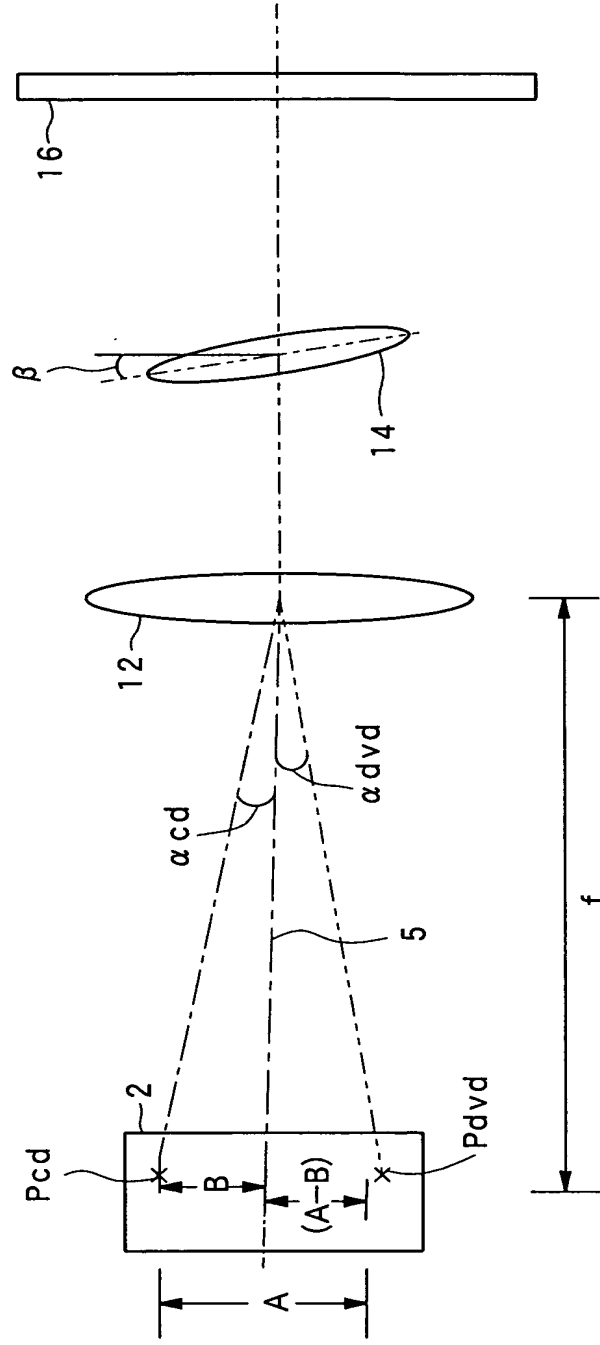
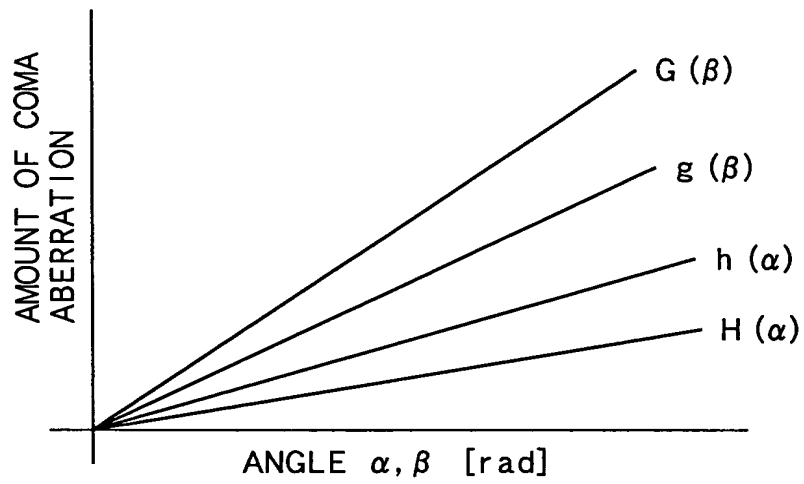


FIG. 3



$H(\alpha)$: IMAGE HEIGHT CHARACTERISTIC OF DVD
 $h(\alpha)$: IMAGE HEIGHT CHARACTERISTIC OF CD
 $G(\beta)$: TILT CHARACTERISTIC OF DVD
 $g(\beta)$: TILT CHARACTERISTIC OF CD

FIG. 4

